

Chromium Contamination in the San Fernando Valley



San Fernando Valley Chromium Workshop

March 10, 2008



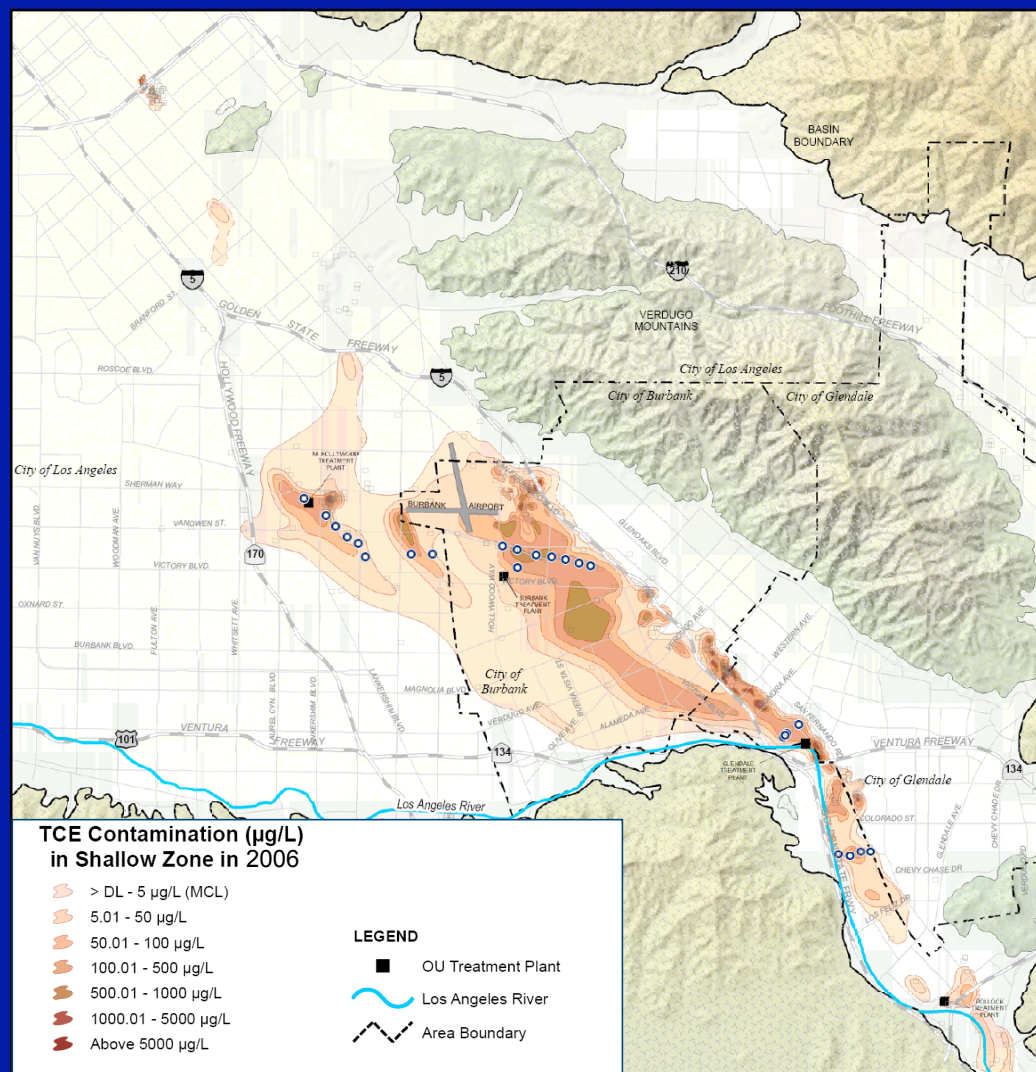
EPA's Superfund Role

- Clean up area-wide groundwater contamination
 - Work with State & local agencies and private parties
 - Protect groundwater resources
 - Track performance and update remedies as needed
- Fund contamination source investigations
 - Initial focus on VOC sources
- Monitor to identify emerging problems
 - Address impacts on VOC remedies
- Perform/oversee chromium source cleanups

San Fernando Solvent Cleanup History

- 1980 Solvent contamination discovered.
- 1984 EPA proposed 4 area-wide groundwater Superfund sites.
- EPA lead for regional groundwater cleanup
- State lead for source investigations & cleanup
- 1989 Groundwater cleanup systems begin operating:
to 1989 - North Hollywood
2000 1994 - Burbank
2000 - Glendale
- 1989 EPA provided \$7.9 million to support the State's contamination
to source investigations.
2002
- 1992 EPA basinwide monitoring program established.

San Fernando Solvent Plume



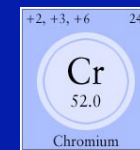
San Fernando Solvent Cleanup Systems

- Provide clean drinking water to Los Angeles, Burbank, and Glendale.
- Produced the following volumes of clean water to date:
 - 7 billion gallons in North Hollywood
 - 31 billion gallons in Burbank
 - 14 billion gallons in Glendale.
- Provide enough clean drinking water to meet the needs of 100,000 local residents each day.

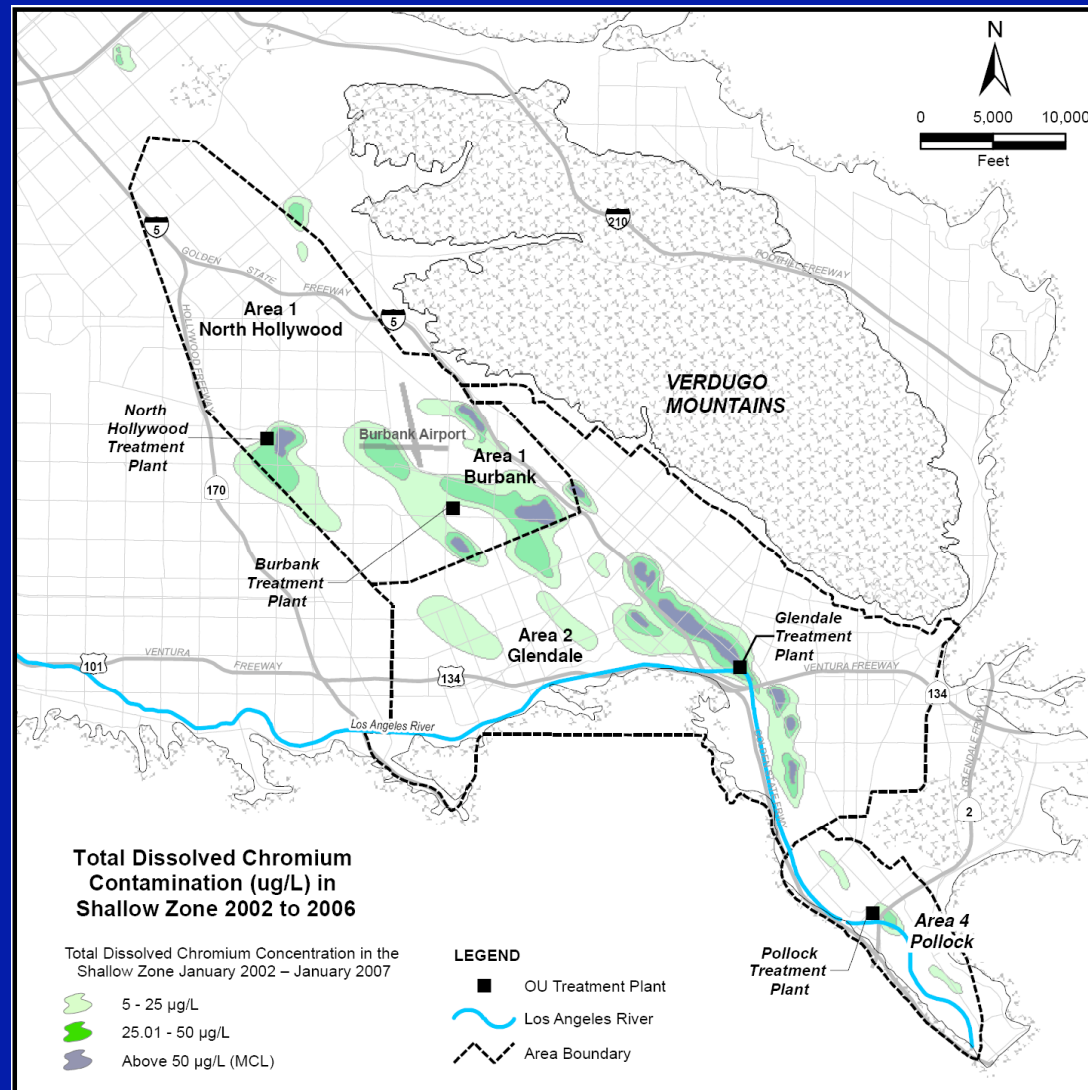


San Fernando Chromium History

- 1989 Chromium contamination first identified, but believed to be limited in extent.
EPA began regional monitoring for chromium.
- 1998 EPA began funding the RWQCB Phase I chromium source investigation.
- 1999 EPA began quarterly monitoring for hexavalent chromium.
- 2000 Chromium began to affect solvent remedies.
- pumping rates adjusted to meet Cities' voluntary limits
- 2003 EPA began funding a place-based contractor at RWQCB to assist with chromium source investigations.
- 2005 EPA completed the Chromium Trend Study for the Burbank and Glendale remedies.
- 2006 EPA completed the North Hollywood evaluation study of chromium and other contaminants.



San Fernando Chromium Plumes



SFV Chromium Workshop

- Questions?
- Observations?
- Recommendations?

please contact:

- Bob Fitzgerald
San Fernando Valley chromium project manager
213-244-1814 or fitzgerald.bob@epa.gov
- Fred Schauffler
Chief, Site Cleanup Section 4
415-972-3174 or schauffler.frederick@epa.gov

